DEPARTMENT OF THE ARMY
GALVESTON DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1229
GALVESTON, TEXAS 77553-1229

February 2002
HYDROGRAPHIC BULLETIN

CHANNELS WITH PROJECT DEPTHS UNDER 25 FEET

A report of the depths available for navigation in the Federal Project Waterways of the Galveston District

★ Indicates changes from previous report

● Indicates dredging under contract

✪ Indicates changes from previous report and dredging under contract

Distances are in statute miles

Depths are based on Corps of Engineers mean low tide datum

NOTE: Miles are measured west of Harvey Lock, Louisiana, via the channel across Galveston Bay and channel from Aransas Bay to Corpus Christi Bay.

NOTE: Mileage's are measured west of Harvey Lock, Louisiana, via the Gulf Intracoastal Waterway and Houston Ship Channel to the usual take-off points on Houston Ship Channel.

The main route of the Gulf Intracoastal Waterway traverses the following reaches of other waterways that are maintained under separate projects:

Waterway	Reach
Sabine - Neches Waterway	Sabine River to West Port Arthur
Port Isabel Channel	Port Isabel Turning Basin to Connecting Channels
Connecting Channel *	Port Isabel Channel to Brownsville Channel
Brownsville Channel	Connecting Channel* to Port Brownsville

* Channel connecting Port Isabel and Brownsville Channel called the East and West Wye's.

Critical reaches of the waterway. Interruptions to traffic may occur during rises in the Brazos River since it may not be practicable to operate the floodgates at this crossing during such periods. Some delays may occur at the Colorado River Locks while vessels are locked for passage across the river during rises. Experience thus far in operating the Brazos River Floodgates and the Colorado River Locks has indicated that shoaling during rises of short duration is usually negligible when the structures are kept closed and causes no interruptions to traffic. During major rises in the rivers; however, heavy shoaling may occur in the forebays of the structures; and at times, some dredging may be required before traffic can pass.

SHALLOW DRAFT CHANNELS	Date of Survey	PROJECT DIMENSIONS Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
GULF INTRACOASTAL WATERWAY MAIN CHANNEL							
Sabine River - High Island	6/01	125	53.1	12	9.9	11.1	9.1
High Island - Galveston Bay	✪ 1/02	125	30.0	12	★ 9.1	★ 11.2	★ 11.1
Across Galveston Bay	10/01	125	7.2	12	13.5	15.3	13.6
Alternate Route via Galv. Ch.(REOPENED)	6/01	125	10.3	12	17.4	17.5	16.0
Galveston Bay - Chocolate Bayou	6/01	125	19.0	12	14.7	14.7	13.5
Chocolate Bayou - Freeport Harbor	11/01	125	19.0	12	9.2	12.6	14.0
Freeport Harbor - Brazos River	● 12/01	125	5.9	12	3.2	5.2	8.6
Brazos River Crossing	● 12/01	125	0.7	12	15.1	16.9	16.0
Brazos River - San Bernard River	6/01	125	4.0	12	7.9	10.4	10.9
San Bernard River - Colorado River	● 11/01	125	35.6	12	10.1	10.9	7.9
Colorado River Crossing	11/01	125	1.0	12	7.2	10.3	10.5
Colorado River - Matagorda Bay (Mile 461.6 WHL)	✪ 1/02	125	20.1	12	★ 3.5	★ 6.3	★ 8.7
Mile 461.6 - Port O'Connor	✪ 12/01	125	11.1	12	★ 8.2	★ 14.7	★ 14.4
Port O'Connor - San Antonio Bay	★ 5/01	125	19.0	12	★ 10.2	★ 12.6	★ 10.9
Across San Antonio Bay	★ 9/01	125-235	8.6	12	★ 16.0	★ 16.0	★ 16.0
San Antonio Bay - Aransas Bay (Light 1)	★ 9/01	125	10.4	12	★ 13.0	★ 14.1	★ 13.6
Across Aransas Bay	★ 10/01	125	13.8	12	★ 9.0	11.0	10.0
Aransas Bay to Corpus Christi Ship Channel	★ 10/01	125	14.4	12	★ 6.0	★ 10.1	★ 8.7
Alternate Route via Lydia Ann Channel:							
Aransas Bay 49 to Light 83	3/00	125	7.9	12	9.8	11.6	12.6
Light 83 to Corpus Christi Ship Channel	3/00	125	3.8	12	11.4	11.1	10.3
Corpus Christi Ship Channel to S. Bird Island	★ 10/01	125	25.2	12	★ 3.0	★ 10.0	10.0
S. Bird Island to Light 175	★ 10/01	125	22.5	12	★ 10.0	★ 10.8	★ 8.5
Light 175 - Banderia Island	★ 10/01	125	21.6	12	★ 11.4	12.8	★ 11.7
Banderia Island - Channel to Port Mansfield	★ 8/01	125	23.2	12	★ 11.2	★ 9.8	★ 7.0
Channel to Port Mansfield-Arroyo Colorado	★ 10/01	125	14.5	12	★ 13.8	★ 13.4	★ 11.3
Arroyo Colorado - Port Brownsville	★ 10/01	125	37.6	12	⑧ 9.5	★⑧ 9.3	★⑧ 7.9

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SHALLOW DRAFT CHANNELS	Date of Survey	PROJECT DIMENSIONS Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS							
ADAMS BAYOU CHANNEL							
Channel	10/01	100	1.6	12	4.1	7.0	6.0
DOUBLE BAYOU							
4.1 Miles in Bay to Mouth of Bayou	10/01	125	4.1	7	8.2	9.3	7.9
Mouth of Bayou to 2 Miles above Mouth	10/01	100	2.0	7	7.2	8.6	8.0
COW BAYOU CHANNEL							
Channel	10/01	100	7.1	13	4.0	8.0	7.0
Orangefield Turning Basin	6/01	300	0.1	13	1.0	4.3	6.0
OFFATTS BAYOU CHANNEL							
Channel	10/99	125	2.2	12	⑤ 2.8	⑤ 2.7	⑤ 0.8
CHOCOLATE BAYOU CHANNEL							
Bay Channel	8/01	125	5.6	12	9.9	12.1	10.5
Land Cut	10/01	125	2.9	12	9.7	10.7	9.2
SAN BERNARD RIVER CHANNEL							
Mile 0 to Mile 0.5	1/01	1032-100	0.5	9	3.7	6.7	1.2
Mile 0.5 to Mile 3.75	1/01	100	3.3	9	7.4	9.1	6.3
Mile 3.75 to Mile 8.0	4/94	100	4.3	9	n/a	9.0	n/a
Mile 8.0 to Mile 20.5	4/94	100	12.5	9	n/a	9.0	n/a
Mile 20.5 to Mile 25.2	4/94	100	4.7	9	n/a	9.5	n/a
Mile 25.2 to Mile 26.0	4/94	100	0.8	9	n/a	9.0	n/a
MOUTH OF THE COLORADO RIVER							
Mile 0 (Gulf) to Mile 0.8	★ 1/02	200	0.8	15	★ 1.7	★ 1.7	★ 0.0
Mile 0.8 to Mile 2.5	★ 1/02	100	1.7	12	★ 1.7	★ 1.6	★ 0.0
Mile 2.5 to Mile 7.11 (GIWW)	11/01	100	4.6	12	0.4	0.8	4.4

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SHALLOW DRAFT CHANNELS		Date of Survey	Feet Width	Miles Length	Feet Depth		Left ¼ Channel (Feet)		Middle ½ Channel (Feet)		Right ¼ Channel (Feet)
			PROJECT DIMENSIONS				***PROJECT CONDITIONS***				
COLORADO RIVER CHANNEL											
By-Pass Channel		11/01	100	0.9	9		11.8		9.1		9.7
Mile 0 (GIWW) to Mile 2	⑦	10/00	100	2.0	9	⑦	6.4	⑦	1.6	⑦	1.5
Mile 2 to Mile 8	⑦	2/01	100	6.0	9	⑦	10.3	⑦	9.0	⑦	7.3
Mile 8 to Mile 13.5	⑦	2/01	100	5.5	9	⑦	0.5	⑦	9.0	⑦	7.3
Mile 13.5 to Mile 15.5	⑦	9/99	100	2.0	9	⑦	1.8	⑦	4.2	⑦	3.5
Turning Basin	⑦	9/99	100	0.1	9	⑦	11.3	⑦	11.6	⑦	11.1
CHANNEL TO PALACIOS											
Mile 0 (GIWW) to Light 40	★	11/01	125	10.0	12	★	13.8	★	13.7	★	13.3
Light 40 to City Basin	★	11/01	125	6.2	12	★	14.0	★	14.0	★	14.0
City Basin	●	10/00	150	0.1	12		10.2		11.0		11.8
Entrance Channel to Mun. Basin	●	10/00	400-130	0.1	12		12.0		12.0		12.0
Municipal Basin	●	10/00	240	0.2	12		12.0		12.0		12.0
CHANNEL TO PORT LAVACA AND RED BLUFF											
Port Lavaca Channel	★	9/01	125	4.1	12	★	7.5	★	8.3	★	7.7
Lynn Bayou Turning Basin	★	9/01	30-300	0.1	12	★	12.5	★	12.9	★	12.6
Port Lavaca Harbor of Refuge:											
Approach Channel	★	9/01	125	2.1	12	★	10.0	★	9.8	★	9.8
North-South Basin	★	9/01	300	0.3	12	★	9.2	★	12.1	★	11.5
East-West Basin	★	9/01	250	0.3	12	★	10.4	★	12.6	★	12.4
Extension to Red Bluff via Lavaca and Navidad Rivers:											
Mile 0 to Mile 6.5		4/01	100	6.5	6		2.0		2.4		2.0
Mile 6.5 to F.M. Rd. 616		6/99	100	13.7	6		4.0		4.0		4.0

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			PROJECT DIMENSIONS				***PROJECT CONDITIONS***				
CHANNEL TO VICTORIA											
Mile 0 (GIWW) to Mile 11	★	12/01	100	11.0	9	★	6.3	★	8.4	★	5.5
Westerly connecting 'Y' channel	★	12/01	100	0.8	9	★	6.9	★	8.0	★	6.1
Mile 11 to Mile 14.0	★	12/01	100	3.0	9	★	8.9	★	11.3	★	9.1
Mile 14.0 to Mile 29		10/00	100	15.0	9		10.0		11.5		11.5
Mile 29 to Mile 34.7	●	10/00	100	5.7	9	●	11.5	●	11.5	●	11.0
Turning Basin	●	10/00	100-818	0.2	9	●	12.0	●	12.0	●	12.0
Connecting Channel to Seadrift	★	12/01	100	2.0	9	★	4.3	★	4.8	★	4.3
Seadrift Turning Basin	★	12/01	230	0.0	9	★	6.7	★	7.7	★	8.8
CHANNEL TO FULTON											
Channel		10/99	100	0.5	12		5.0		6.5		5.5
Turning Basin		10/99	200	0.2	12		6.0		7.0		6.0
CHANNEL TO ROCKPORT											
Channel		9/00	100	6.8	9		9.5		10.0		9.0
Harbor Basin		9/00	350	0.2	9		5.0		8.0		7.0
CHANNEL TO ARANSAS PASS											
Channel	★	10/01	125-175	6.1	14		10.0	★	9.1	★	9.1
Turning Basin		3/01	300	0.4	14		15.0		15.5		15.0
Connecting Channel		3/01	125	0.1	14		15.0		15.0		15.0
Conn Brown Harbor		3/01	50-510	0.4	14		15.0		15.0		15.0
CHANNEL TO PORT ARANSAS											
Channel		11/00	100	0.2	12		7.0		7.0		6.0
Turning Basin		11/00	200-400	0.2	12		7.0		7.0		7.0

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						PROJECT DIMENSIONS		***PROJECT CONDITIONS***			
CHANNEL TO PORT MANSFIELD											
Entrance Channel	★	12/01	250	0.7	16	★	10.7	★	11.6	★	13.0
Mile 0.7 to Mile 1.3	★	10/01	100-300	0.6	14	★	15.2	★	15.7		15.0
Mile 1.3 to Mile 3	★	10/01	100	1.7	14	★	12.1	★	11.7	★	11.1
Mile 3 to Mile 6	★	10/01	100	3.0	14	★	13.6	★	13.3	★	14.3
Mile 6 to Main Channel (GIWW)	★	10/01	100	2.9	14	★	14.1	★	14.4	★	14.0
Entrance Curves		6/01	200	0.6	12		7.1		7.1		6.8
Main Channel to Turning Basin	★	11/01	125-200	0.9	14		16.0		17.4		17.1
Turning Basin	★	11/01	200-400	0.7	14	★	13.0		15.0		15.0
Shrimp Basin	★	11/01	350	0.3	12		13.0	★	13.5	★	12.4
CHANNEL TO PORT HARLINGEN											
Mile 0 to Mile 8	★	4/01	200-125	8.0	12	★	9.5		11.0	★	10.6
Mile 8 to Mile 20	★	4/01	125	12.0	12		10.0	★	10.8	★	5.0
Mile 20 to Mile 25.9	★	4/01	125	5.9	12	★	12.3	★	13.6	★	13.0
Turning Basin	★	4/01	400	0.1	12	★	15.7		16.0	★	15.7
SIDE CHANNELS AT PORT ISABEL											
60-foot channel		4/99	60	0.2	12		9.0		12.0		10.0
125-foot channel		4/99	125	1.1	12		10.0		11.0		10.0
PORT ISABEL SMALL BOAT HARBOR							**USABLE DIMENSIONS**				
Entrance Channel	★	8/01	75	1.5	9	★	7.6 ft by 75 ft				
Harbor Channel	★	8/01	50	0.3	7	★	6.8 ft by 50 ft				
Basin	★	8/01	50-500	0.3	6	★	5.7 ft by 50-500 ft				

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HOUSTON SHIP CHANNEL, TRIBUTARY CHANNELS							
CEDAR BAYOU							
Houston Ship Channel to U.S. Steel Dock	11/01	100	5.5	11	5.1	3.4	0.0
ATKINSON ISLAND							
Barge Mooring Basin	★ 1/02	100-150	1.8	12	★ 9.4	★ 9.5	★ 9.3
GREENS BAYOU CHANNEL							
First bend to Parker Brothers Slip	10/01	150-100	1.3	15	9.5	10.7	10.3
BRADY ISLAND CHANNEL					**Left ½**		**Right ½**
Upstream from Cypress Str. Bridge	7/99	50	0.3	10	13.0		11.0
Downstream from Cypress Str. Bridge	7/99	50	0.5	10	12.0		12.0
CHANNEL IN BUFFALO BAYOU							
Houston Turning Basin to 69th Street Bridge	11/01	60	0.8	10	12.3	12.4	11.7
69th Street Bridge to Lockwood Drive Bridge	11/01	60	1.5	10	12.1	12.0	11.5
Lockwood Drive Bridge to Jensen St.Bridge	6/01	60	1.7	10	8.6	6.1	4.3
Turkey Bend Channel	6/01	60	0.8	10	4.7	2.0	5.6
Jensen Street Bridge to Southern Pacific Dock	3/94	60	0.6	⑦ 9		10ft by 50ft	

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USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS					**USABLE DIMENSIONS**		
CHANNEL TO PORT BOLIVAR	4/99	200	0.1	14	18.0 ft by 200 ft		
DICKINSON BAYOU							
Light 2 to Light 27	2/00	60	9.9	6	2.0	2.0	4.3
Light 27 to Highway 146 Bridge	8/99	60	1.5	6	1.0	1.0	1.0
CHANNEL TO LIBERTY							
Houston Ship Channel to Smith Point	6/01	150	6.4	9	4.5	4.2	4.2
Anahuac Channel	6/01	100	6.4	6.0	2.7	2.4	4.1
Anahuac Channel to Texas Gulf Sulphur Slip	6/01	100	11.3	6.0	4.6	③ 4.5	4.1
Texas Gulf Sulphur Slip to Devers Canal	2/94	100	9.5	6	4.0 ft at centerline		
Devers Canal to South Liberty Oil Field	⑨ 7/01	100	12.2	6	⑨ +0.4' x 100'		
South Liberty Oil Field to Cut Off Channel	⑨ 7/01	100	2.2	6	⑨ +0.1, +2.6, +1.5		
Cut Off Channel to Liberty	⑨ 7/01	100	3.1	6	⑨ -3.2, +1.6, +2.6		
CLEAR CREEK AND CLEAR LAKE							
Entrance Channel	7/99	75	3.3	9	7.0	7.0	6.8
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	7/99	60	2.8	7	3.8	4.2	4.4
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	★ 1/02	125	1.9	12	★ 3.2	★ 3.6	★ 3.7
Jewel Fulton Canal	9/00	100	0.9	17	15.7 ft by 100 ft		
RINCON CANAL							
Channel	7/01	100-618	4.8	12	12.0	12.0	12.0
Turning Basin	7/01	275	0.1	12	12.0	12.0	12.0

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Brownsville Fishing Boat Harbor								
Entrance Channel	★	11/01	100	0.1	15	★	13.0 ft by 100 ft	
Connecting Channel	★	11/01	265	0.2	15	★	13.8 ft by 265 ft	
West Basin	★	11/01	305-370	0.3	15	★	12.0 ft by 305 ft	
Middle Basin	★	11/01	305-370	0.2	15	★	13.4 ft by 305 ft	
East Basin	★	11/01	370	0.3	15		13.0 ft by 370 ft	

NOTES:

① Dredging under contract between Mile 581 to 585.

② Not used.

③ Correction to last month's Bulletin, typographic error.

④ Not Used

⑤ Controlling depths in the West Wye are (4,4,4) and the East Wye are (6,8,7) (3-99)

⑥ Not Used

⑦ Controlling depths shown exist in natural channel alignment (THALWEG). Old surveys were reevaluated to reflect Thalweg conditions.

⑧ Shoaling @ Mile 659.51 (COE Sta.48+000) & Mile 658.54 (COE Sta.53+000)

⑨ Normal river stage is 3ft above 0-mlt and should be added to depths shown.